

Idiap 20th Anniversary

IM2 Summer Institute 2011

1-2 SEPTEMBER, 2011

IDIAP RESEARCH INSTITUTE, CENTRE DU PARC
RUE MARCONI 19, 1920 MARTIGNY, SWITZERLAND

THURSDAY, 1 SEPTEMBER - Scientific talks

Keynote speakers

DR. SAMY BENGIO, *Google, CA, USA*
PROF. CAROL ANN PETERS, *Institute for Information Science and Technologies, Italy*
PROF. BAYYA YEGNANARAYANA, *International Institute of IT, Hyderabad, India*
DR. ROELOF VAN ZWOL, *Yahoo! Research Silicon Valley, CA, USA*

FRIDAY, 2 SEPTEMBER- Advisory Boards** and Poster session

Idiap Advisory Board members

DR. JORDAN COHEN, *SPELAMODE, CA, USA*
PROF. DONALD GEMAN, *Johns Hopkins University, Baltimore, MD, USA*
DR. JOHN MAKHOUL, *BBN Technologies, Cambridge, MA, USA*
PROF. NELSON MORGAN, *International Computer Science Institute, Berkeley, CA, USA*
DR. DAVID NAHAMOO, *IBM Research, Yorktown Heights, NY, USA*
PROF. GERHARD SAGERER, *Bielefeld University, Bielefeld, Germany*
PROF. BAYYA YEGNANARAYANA, *International Institute of IT, Hyderabad, India*
PROF. ROELOF VAN ZWOL, *Yahoo! Research Silicon Valley, CA, USA*

IM2 Advisory Board members

PROF. CAROL ANN PETERS, *Institute for Information Science and Technologies, Italy*
PROF. GERHARD RIGOLL, *Technische Universität München, Germany*
PROF. STEVE RENALS, *University of Edinburgh, United Kingdom*
PROF. SHARON OVIATT, *Oregon Health & Science University, OR, USA*
PROF. CATHERINE PELACHAUD, *Université de Paris 8, France*

**The Advisory Board sessions are open to the workshop attendees.

More information and registration at <http://www.im2.ch/summer-institute-2011>



Wednesday, 31 August

18:00 – late **Welcome reception**
At Hôtel du Parc, Rue Marconi 19, 1920 Martigny, Switzerland

Thursday, 1 September

09:00 – 09:30 **Welcome note, general presentation**
Prof. Hervé Bourlard (Idiap)

MOBILE MULTIMEDIA

09:30 – 10:00 **Person authentication using face and voice on a mobile phone: from research to reality**
Dr. Sébastien Marcel (Idiap)

10:00 – 10:30 **Mobile multimedia services based on user attention profiles**
Francesca De Simone (EPFL)

10:30 – 11:00 **Coffee break**

SOCIAL MEDIA

11:00 – 11:30 **Vlogcast yourself: exploring nonverbal behavior in social media**
Joan-Isaac Biel Tres (Idiap)

11:30 – 12:00 **Driving media engagement**
Dr. Roelof van Zwol (Yahoo! Research)

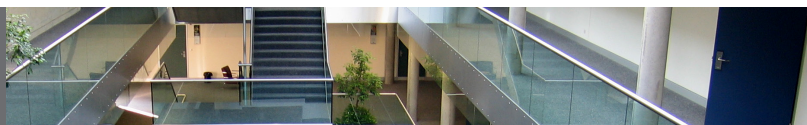
12:00 – 13:00 **Lunch**

LARGE SCALE MULTIMEDIA INDEXING

13:00 – 13:30 **Large-scale multimedia retrieval: distributing multimodal interactive learning**
Dr. Stéphane Marchand-Maillet (UNIGE)

13:30 – 14:00 **Large scale image annotation: learning to rank with joint word-image embeddings**
Dr. Samy Bengio (Google, USA)

14:00 – 14:30 **Automatic content linking: a speech-based real-time retrieval system using semantic search**
Dr. Andrei Popescu-Belis (Idiap)



14:30 – 15:00 **Coffee break**

INTERFACES AND INTERACTIONS

- 15:00 – 15:30 **Cross lingual speaker adaptation**
Phil Garner, Dr. John Dines and Hui Liang (Idiap)
- 15:30 – 16:00 **Epoch-based analysis of speech and its applications**
Prof. Bayya Yegnanarayana (International Institute of IT, Hyderabad, India)
- 16:00 – 16:30 **Measuring gaze behavior in real environments: applications to research and industry**
Dr. Basilio Noris (EPFL)

EVALUATION AND USABILITY

- 16:30 – 17:00 **The importance of evaluation for multilingual information access**
Prof. Carol Ann Peters (Institute for Information Science and Technologies, Italy)
- 17:00 – 17:30 **What is beautiful is usable - aesthetics and other factors that influence the outcomes of usability tests**
Dr. Andreas Sonderegger and Prof. Juergen Sauer (UNIFR)
- 17:30 – 18:00 **IM2 Start-up Jamboree (short presentations)**
- 18:30 – late **Dinner**

Friday, 2 September

- 08:00 – 12:00 **Idiap Advisory Board (Idiap selected talks)**
See next page for more details
- 08:30 – 12:00 **IM2 Advisory Board (IM2 selected talks)**
See next page for more details
- 12:30 – 13:30 **Lunch**
- 13:30 – 16:00 **Poster session**
- 17:30 – late **Idiap 20th anniversary gala dinner**
Shuttle available from Idiap



Idiap Advisory Board

- 08:00 – 08:30 **Executive summary**
Prof. Hervé Bourlard (Idiap)
- 08:30 – 09:00 **An information theoretic approach to speaker diarization**
Dr. Fabio Valente (Idiap)
- 09:00 – 09:30 **Natural language processing (almost) from scratch**
Dr. Ronan Collobert (Idiap)
- 09:30 – 10:00 **Reality mining for real: large-scale human behavior and smart phone data**
Dr. Daniel Gatica-Perez (Idiap)
- 10:00 – 10:30 **Coffee break**
- 10:30 – 11:00 **Learning and Sharing of semantic spatial concept**
Dr. Barbara Caputo (Idiap)
- 11:00 – 11:30 **What's going on? Discovering temporal motifs from sensors logs**
Dr. Jean-Marc Odobez (Idiap)
- 11:30 – 12:00 **The MASH project: toward the collaborative design of hyper-complex learning software**
Dr. François Fleuret (Idiap)

IM2 Advisory Board

- 08:30 – 08:45 **Executive summary**
Prof. Touradj Ebrahimi (EPFL)
- 08:45 – 09:20 **Human centered design and evaluation (IP2)**
Dr. Denis Lalanne (UNIFR), Dr. Andrei Popescu-Belis (Idiap)
- 09:20 – 10:00 **Integrated multimodal processing (IP1)**
Prof. Aude Billard (EPFL), Dr. Stéphane Marchand-Maillet (UNIGE)
- 10:00 – 10:30 **Coffee break**
- 10:30 – 11:15 **Social signal processing (IP3)**
Dr. Alessandro Vinciarelli (GLA), Dr. Fabio Valente (Idiap)
- 11:15 – 12:00 **Structural impact and activities beyond the NCCR (AIM2)**
Prof. Touradj Ebrahimi (EPFL)

